KAVERI-II (2008 COURSE) : WINTER - 2016 SUBJECT : GENERAL & DENTAL PHARMACOLOGY AND THERAPEUTICS

: Monday Time: 9-00 A.M. To 12:00 Noon Max. Marks: 70. Date : 07-11-2016 N.B.: All questions are COMPULSORY. 1) Figures to the RIGHT indicate full marks. 2) SECTION-I O.1 Long Essay Questions (Any ONE) a) Classify anticoagulants. Give mechanism of action, uses and adverse effects of b) Classify β adrenergic antagonists with examples. Explain uses and adverse effects of β blockers. (15)Q.2 Short Essay questions (Any THREE) a) Define obtundents. Classify obtundents and describe any one agent in detail. b) Mention properties of ideal dentifrice. Enumerate the ingredients of dentifrice and role of each. c) Enlist and describe root canal filling material. d) Define and enlist mummifying agents. Describe the mechanism of action and adverse effects of tannic acid. (10)Q.3 Write short answers (Any FIVE) a) Mention 4 atropine substitutes with their uses. b) Explain the term drug tolerance giving example. c) Enumerate different types of drug antagonism and explain physiological antagonism. d) Comment on the use of Furosemide in pulmonary edema. e) Explain role of mucolytics in productive cough. Enumerate 2 prokinetic agents along with their uses. SECTION-II (10)Q.4 Long Essay Questions (Any ONE) Classify drugs used in malaria. Write mechanism of action, uses and adverse effects of chloroquine. Classify oral antidiabetic agents. Mention mechanism of action, uses and adverse effects of Sulfonylureas. (15)Q.5 Short Essay questions (Any THREE) a) Doxycycline - Mechanism of action, uses and adverse effects. b) Mention differences between Diazepam and Phenobarbitone. c) Treatment of iron deficiency anemia. d) Uses of H₁ antihistaminics. (10)Q.6 Write short answers (Any FIVE) a) Rationale for combining Levodopa and carbidopa in treatment of Parkinsonism. b) Use of Prostaglandins in Medical termination of pregnancy. c) Mention 2 uses and 2 adverse effects of Ibuprofen.

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d) Post exposure prophylaxis of HIV infection.

f) Give 2 examples of antiplatelet drugs with their uses.

e) Enumerate 4 uses of Hydrocortisone.

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SECTION-I

Q.1 Long Essay Questions (Any ONE)

a) Classify anticoagulants. Give mechanism of action, uses and adverse effects of

Heparin.
 Classify β adrenergic antagonists with examples. Explain uses and adverse effects of β blockers.

Q.2 Short Essay questions (Any THREE) (15)

a) Define obtundents. Classify obtundents and describe any one agent in detail.

b) Mention properties of ideal dentifrice. Enumerate the ingredients of dentifrice and role of each.

c) Enlist and describe root canal filling material.

d) Define and enlist mummifying agents. Describe the mechanism of action and adverse effects of tannic acid.

Q.3 Write short answers (Any FIVE) (10)

a) Mention 4 atropine substitutes with their uses.

b) Explain the term drug tolerance giving example.

c) Enumerate different types of drug antagonism and explain physiological antagonism.

d) Comment on the use of Furosemide in pulmonary edema.

e) Explain role of mucolytics in productive cough.

f) Enumerate 2 prokinetic agents along with their uses.

SECTION-II

Q.4 Long Essay Questions (Any ONE)

a) Classify drugs used in malaria. Write mechanism of action, uses and adverse effects of chloroquine.

b) Classify oral antidiabetic agents. Mention mechanism of action, uses and adverse effects of Sulfonylureas.

Q.5 Short Essay questions (Any THREE) (15)

a) Doxycycline - Mechanism of action, uses and adverse effects.

b) Mention differences between Diazepam and Phenobarbitone.

- c) Treatment of iron deficiency anemia.
- d) Uses of H₁ antihistaminics.

Q.6 Write short answers (Any FIVE) (10)

- Rationale for combining Levodopa and carbidopa in treatment of Parkinsonism.
- b) Use of Prostaglandins in Medical termination of pregnancy.
- c) Mention 2 uses and 2 adverse effects of Ibuprofen.
- d) Post exposure prophylaxis of HIV infection.
- e) Enumerate 4 uses of Hydrocortisone.
- f) Give 2 examples of antiplatelet drugs with their uses.

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KAVERI-II (2008 COURSE): WINTER - 2016 SUBJECT: GENERAL PATHOLOGY AND MICROBIOLOGY

Day : Wednesday Date : 09.11-2016 Time: 9.00 A.M. TO 12:00 NOOD

Max. Marks: 70.

N.B.:

1) All questions are **COMPULSORY**.

2) Figures to the RIGHT indicate full marks.

SECTION-I

Q.1 Define inflammation. Enumerate cardinal signs of inflammation. Describe (10) phagocytosis in detail.

OR

Define thrombosis. Describe its pathogenesis. Enumerate fates of a thrombus. Enumerate clinical effects of thrombosis.

Q.2 Write short notes on any THREE of the following:

(15)

a) Differences between benign and malignant tumours.

b) Classify carcinogens. Write in detail about physical carcinogenesis.

c) Laboratory diagnosis of leukemia.

d) Complications of diabetes mellitus.

Q.3 Write short answers any FIVE of the following:

(10)

a) Gross and microscopic appearance of fatty liver

b) Organs involved and type of protein deposited in secondary amyloidosis

c) Define hyperplasia and hypertrophy

d) Rickets

e) Enumerate stages of lobar pneumonia mention any 2 complications.

f) Pathogenesis of mliliary tuberculosis.

SECTION-II

Q.4 Enumerate the sexually transmitted bacterial infections. Describe the morphology, (10) pathogenesis and laboratory diagnosis of infection caused by Treponema pallidum.

OR

Enumerate spore-bearing organisms. Describe the morphology, cultural characteristics, biochemical reactions, toxins and enzymes produced and pathogenicity of Clostridium welchii. Discuss the laboratory diagnosis of gas gangrene.

Q.5 Write short notes on any THREE of the following:

(15)

a) Describe the general properties and replication of viruses.

b) Define sterilization and disinfection. Describe the principle, working and uses of autoclave.

c) Enumerate cariogenic microorganisms. Describe the factors affecting dental caries.

d) Classify and describe hypersensitivity reactions with suitable examples.

Q.6 Write short answers any FIVE of the following:

(10)

a) BCG vaccine

b) Define definitive and intermediate hosts with examples.

c) Define zoonosis and give two examples of zoonotic diseases.

d) Elek's gel precipitation test.

e) Write four differences between bacteria and fungi.

f) Functions and methods for demonstration of capsule.

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KAVERI-II (2008 COURSE): WINTER - 2016 SUBJECT : GENERAL PATHOLOGY AND MICROBIOLOGY

Time: 9.00 A.M. TO 12:00 NOOD : Wednesday Max. Marks: 70. 09-11-2016 N.B.: All questions are COMPULSORY. Figures to the RIGHT indicate full marks. 2) **SECTION-I** Q.1 Define inflammation. Enumerate cardinal signs of inflammation. Describe (10) phagocytosis in detail. OR Define thrombosis. Describe its pathogenesis. Enumerate fates of a thrombus. Enumerate clinical effects of thrombosis. (15)Q.2 Write short notes on any THREE of the following: a) Differences between benign and malignant tumours. b) Classify carcinogens. Write in detail about physical carcinogenesis. c) Laboratory diagnosis of leukemia. d) Complications of diabetes mellitus. (10)Q.3 Write short answers any FIVE of the following: a) Gross and microscopic appearance of fatty liver b) Organs involved and type of protein deposited in secondary amyloidosis c) Define hyperplasia and hypertrophy d) Rickets e) Enumerate stages of lobar pneumonia mention any 2 complications. Pathogenesis of mliliary tuberculosis. SECTION-II Q.4 Enumerate the sexually transmitted bacterial infections. Describe the morphology, (10) pathogenesis and laboratory diagnosis of infection caused by Treponema pallidum. OR Enumerate spore-bearing organisms. Describe the morphology, cultural characteristics, biochemical reactions, toxins and enzymes produced and pathogenicity of Clostridium welchii. Discuss the laboratory diagnosis of gas gangrene. (15)Q.5 Write short notes on any THREE of the following: a) Describe the general properties and replication of viruses. b) Define sterilization and disinfection. Describe the principle, working and uses of autoclave. c) Enumerate cariogenic microorganisms. Describe the factors affecting dental d) Classify and describe hypersensitivity reactions with suitable examples.

Functions and methods for demonstration of capsule.

Define definitive and intermediate hosts with examples.

Define zoonosis and give two examples of zoonotic diseases.

Write four differences between bacteria and fungi.

Q.6 Write short answers any FIVE of the following:

Elek's gel precipitation test.

a) BCG vaccine

c)

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(10)

KAVERI-II (2008 COURSE): WINTER - 2016 SUBJECT: DENTAL MATERIALS

Time: 9'00 A'M'TO 12:00 NOOH : Friday Max. Marks: 70. 11-11-2016 N.B.: All questions are COMPULSORY. 1) Both the sections should be written in SEPARATE answer books. 2) Figures to the RIGHT indicate full marks. 3) Draw neat labeled diagrams WHEREVER necessary. 4) SECTION-I Q.1 Long Essay Questions (Any ONE, 1 x 10 marks) Mention ideal properties of Denture Base Resins. Give composition of Heat cure and cold cure Denture Base Resins. Explain in detail Compression Molding Technique. OR b) Classify dental ceramics. Write a note on methods of strengthening of dental ceramics. (15)Q.2 Short Essay questions (Any THREE, 3 x 5 marks) a) Explain defects in casting. b) Write difference between abrasion and polishing. Discuss benefits of polishing. Write a note on the factors controlling setting time of gypsum products. d) Define and classify dental investment materials. (10)Q.3 Write short answers (Any FIVE, 5 x 2 marks) a) Composition of irreversible hydrocolloid. b) Coefficient of thermal expansion. Dimensions of color. d) Define soldering, welding and flux. Define and classify stress. 18-8 stainless-steel. **SECTION-II** (10)Q.4 Long Essay Questions (Any ONE, 1 x 10 marks) Classify dental cements. Give ideal requirements of dental cements. Give composition, uses of GIC. Write a note on resin modified GIC - compomer. OR What you understand by the term "Composite resin?" Classify dental composite resin. Give the composition, properties, advantages and disadvantages of visible light cured composite resin. Write a note on acid etching for Composite resin. (15)Q.5 Short Essay questions (Any THREE, 3 x 5 marks) Luting cements. a) b) High copper amalgam alloy. Gold foil. c) d) Delayed expansion. (10)Q.6 Write short answers (Any FIVE, 5 x 2 marks) a) Application of calcium hydroxide in dentistry. b) Ideal requirements of orthodontic wires. What is tarnish? Write causes of tarnish. c) d) Creep and flow. Trituration. e) Electroformed die.

KAVERI-II (2008 COURSE): WINTER - 2016 SUBJECT: DENTAL MATERIALS

SUBJECT: DENTAL MIXIDA				
Day Date		Friday 11-11-2016	Time: 9'00 A'M'To Max. Marks: 70.	12.00 NOOU
N.B.:				
1) All questions are COMPULSORY. 2) Both the sections should be written in SEPARATE answer books. 3) Figures to the RIGHT indicate full marks. 4) Draw neat labeled diagrams WHEREVER necessary.				
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	b)	OR Classify dental ceramics. Write a note on met ceramics.	hods of strengthening of dental	
0.2	Sho	rt Essay questions (Any THREE, 3 x 5 marks)		(15)
,	a) b)	Explain defects in casting. Write difference between abrasion and polishin Write a note on the factors controlling setting to Define and classify dental investment materials	g. Discuss benefits of polishing. ime of gypsum products.	
Q.3		ite short answers (Any FIVE, 5 x 2 marks)		(10)
	c) d)	Composition of irreversible hydrocolloid. Coefficient of thermal expansion. Dimensions of color. Define soldering, welding and flux. Define and classify stress.	5 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
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SECTION-II				
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	b)	What you understand by the term "Comcomposite resin. Give the composition disadvantages of visible light cured composetching for Composite resin.	, properties, advantages and	
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